PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

REC'D 16 JUN 2005

WIPO	PCT

Applicant's or agent's file reference 18981/846		nt's file reference	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/41				
nternatio	onal appli	cation No.	International filing date (day	/month/year)	Priority date (day/month/year)		
CT/B	03/043	68	02.10.2003		02.10.2003		
866B5/	/28	nt Classification (IPC) or t	oth national classification and	IPC			
opplican OTIS E		OR COMPANY					
1. Ti	his inter uthority	national preliminary exa and is transmitted to th	amination report has been pee applicant according to Art	orepared by this I iicle 36.	nternational Preliminary Examining		
2. T			of 5 sheets, including this				
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).						
These annexes consist of a total of sheets.							
з. т	This repo	ort contains indications	relating to the following iten	ns:			
1	_	Basis of the opinion					
•		Priority					
			of opinion with regard to nov	velty, inventive st	tep and industrial applicability		
-		Lack of unity of inve					
-	V ⊠	Reasoned statemer	nt under Rule 66.2(a)(ii) with ations supporting such stat	n regard to noveli ement	ty, inventive step or industrial applicability;		
•	VI 🗆	Certain documents	cited				
,	VII 🗆		ne international application				
•	VIII 🗆	Certain observation	s on the international applic	eation			
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Date o	of submiss	sion of the demand		Date of completion	n of this report		
02.08	8.2004			17.06.2005			
Name prelim	inary exa	ing address of the interna		Authorized Officer	Special Landson		
	37 1	European Patent Office - I NL-2280 HV Rijswijk - Pay	rs Bas Ì	Janssens, G	<u> </u>		
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/IB 03/04368

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1. With regard to the **elements** of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Des	scription, Pages				
	1-7		as originally filed			
	Cla	ims, Numbers				
	1-1	1	as originally filed			
	Dra	wings, Sheets				
	1/3-	3/3	as originally filed			
With regard to the language, all the elements marked above were available or furnished to this Author language in which the international application was filed, unless otherwise indicated under this item.						
	The	ese elements were av	ailable or furnished to this Authority in the following language: , which is:			
		the language of a tra	anslation furnished for the purposes of the international search (under Rule 23.1(b)).			
		the language of pub	lication of the international application (under Rule 48.3(b)).			
		the language of a tra Rule 55.2 and/or 55.	anslation furnished for the purposes of international preliminary examination (under 3).			
With regard to any nucleotide and/or amino acid sequence disclosed in the international applicat international preliminary examination was carried out on the basis of the sequence listing:						
		contained in the inte	rnational application in written form.			
		filed together with th	e international application in computer readable form.			
		ntly to this Authority in written form.				
		furnished subsequer	ntly to this Authority in computer readable form.			
		The statement that t in the international a	he subsequently furnished written sequence listing does not go beyond the disclosure pplication as filed has been furnished.			
		The statement that the listing has been furn	he information recorded in computer readable form is identical to the written sequence ished.			
4. The amendments have resulted in the cancellation of:						
		the description,	pages:			
		the claims,	Nos.:			
		the drawings,	sheets:			

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5. □	
	been considered to go beyond the disclosure as filed (Rule 70.2(c)).

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

- 6. Additional observations, if necessary:
- V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- 1. Statement

Novelty (N)		Claims Claims	1-11
Inventive step (IS)		Claims Claims	1-11
Industrial applicability (IA)	Yes: No:	Claims Claims	1-11

2. Citations and explanations

see separate sheet

Re Item V

Reasoned statement with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Reference is made to the following document:

D1: JP 2000203774 (25-07-00)

The document D1 is regarded as being the closest prior art to the subject-matter of claim 1, and shows (the references in parentheses applying to this document):

Safety device for maintenance personnel in elevators having no machine room and flexible tension member(7), the elevator booth comprising an upper median crosspiece (2) on its roof forming part of its support arcade, the drive machine being(9) fixed at least to the top of a booth guide rail (4) on the side of the casing of the elevator

The subject-matter of claim 1 differs from this known safety device in that it comprises, with symmetry with respect to the median traction plane of the booth or to the median plane of the set of flexible tension members, at least two rigid rods mounted sliding on the crosspiece on one side and approximately parallel to the latter and able to be moved in an active outgoing position projecting from the crosspiece so as to come opposite and simultaneously in contact with a corresponding stop fixed at an adequate height on the booth guide rail, and in an inactive incoming position where they are out of range of said stop corresponding to the normal functioning of

the elevator, the functioning in maintenance or inspection mode of the elevator by a maintenance operator on the booth roof only being allowed at the outgoing position of the rods where a safety space for the maintenance operator on a working platform on the booth roof is

embodied by the fact of applying the outgoing rods on said guide rail stop.

The subject-matter of claim 1 is therefore new (Article 33(2) PCT).

The problem to be solved by the present invention may be regarded as to avoid that the support arcade suffers from torsional forces when the safety device contacts the guide rail stop. When the support arcade deforms under the torsional forces, this causes the tension

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member to shift on his pulleys mounted on the arcade.

The solution to this problem proposed in claim 1 of the present application is considered as involving an inventive step (Article 33(3) PCT) for the following reasons:

The symmetrical arrangement of the rods is not disclosed in the available prior art.

Claims 2-11 are dependent on claim 1 and as such also meet the requirements of the PCT with respect to novelty and inventive step.